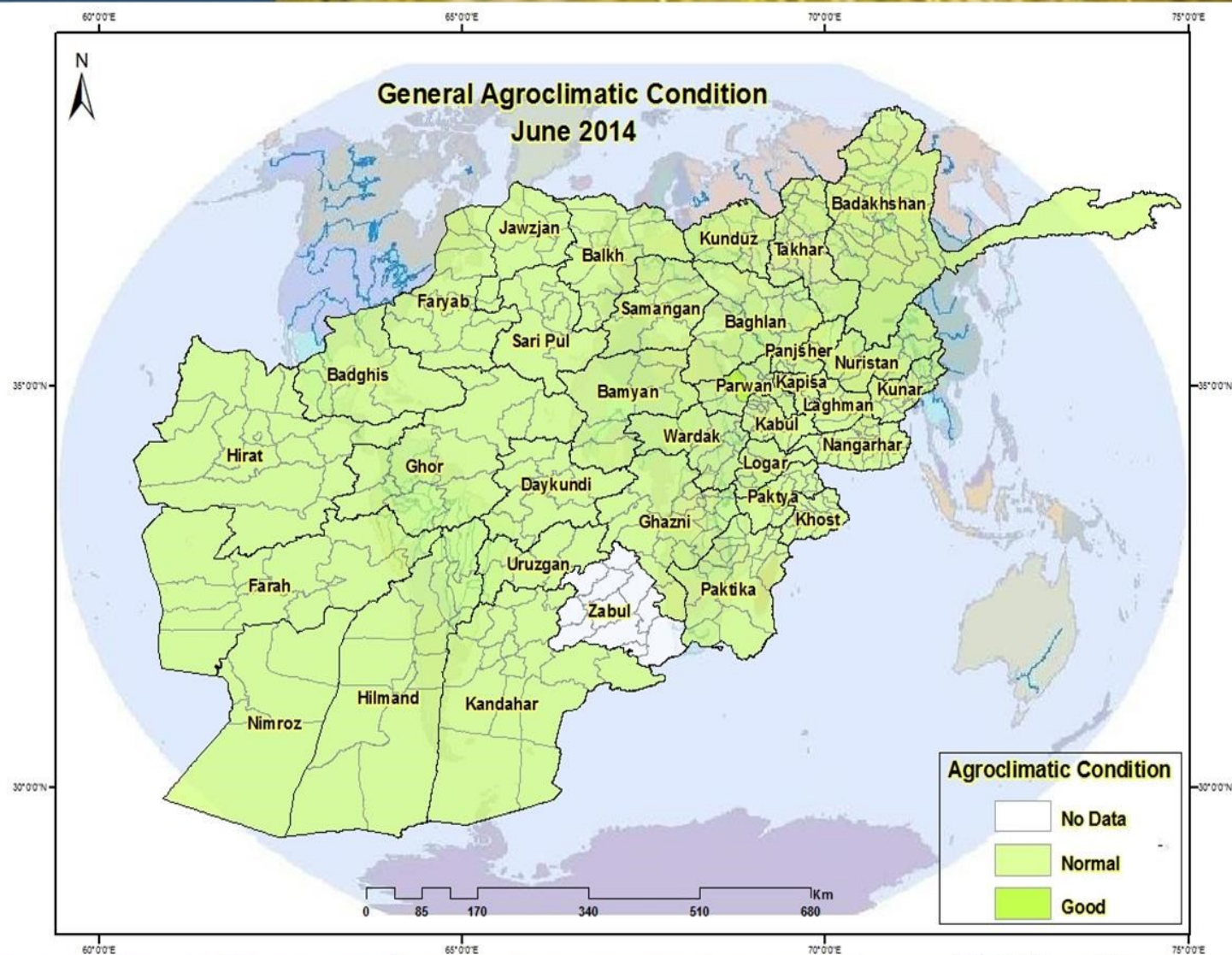




Issue No: 112  
June: 2014

# The Afghanistan Agrometeorological Monthly Bulletin

Topics Crop Information Precipitation Temperature NDVI



Adverse Factor

1



Crop Condition

2



Crop Stage

3



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### Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), GIS and  
Agromet Netwrokd and United States Geological Survey (USGS).



## Summary

The growth of wheat is somehow satisfactory in the entire country. However Pest & disease have been reported in a few areas such as center of Logar province and Dawlat Yar district of Ghor province, weeds have been reported in a few areas such as Panjab district of Bamyan province and Rostaq district of Takhar province and poor rainfall has been reported in a few areas such as Muqor district of Ghazni province and Do Ab district of Nuristan province. The crop is reported at Vegetative stage in few parts of the country such as Bamyan and Nuristan provinces. The crop is at flowering stage in a few parts of the country such as Badakhshan province. The crop is at Grain Filling stage in some parts of the country such as Kabul, Paktika and Samagan Provinces.

The crop is at Maturity stage in most parts of the country such as Samangan, Hirat, Parwan and Wardak Provinces. The crop is at harvesting stage in most parts of the country Such as Kandahar, Kunar, Laghman, Hilmand and Balkh Provinces. During the month of June 2014, rainfall was below normal in the entire country such as in Logar, Ghazni, Khost, Farah and Kandahar provinces. Number of rainy days has been recorded in the country in a range of (1 – 8) days. The maximum numbers of rainy days in the country were observed 3 at Faizabad Center of Badakhshan Province.

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Paghman	Paghman	Grain Filling	Normal	Not Existed
		Kabul	Darulaman	Grain Filling	Good	Not Existed
		Surubi	Surubi	Harvested		
	Panjsher	Dara	Dara	Grain Filling	Normal	Not Existed
		Dashtak	Dashtak	Grain Filling	Normal	Not Existed
	Parwan	Syagerd	Gorband	Maturity	Good	Not Existed
		Charikar	Charikar	Maturity	Normal	Not Existed
	Kapisa	Mahmoodraqi	Mahmoodraqi	Harvesting		
		Kohistan	Kohistan			
	Wardak	Maidan shehr	Maidan shehr	Grain Filling	Normal	Not Existed
		Sayed Abad	Sayed Abad	Maturity	Normal	Not Existed
	Logar	Pole Alam	Pole Alam	Maturity	Normal	Pest and Disease
	Bamyan	Bamyan	Bamyan	Flowering	Normal	Weeds
		Yakawlang	Yakawlang	Grain Filling	Normal	Not Existed
		Panjab	Panjab	Vegetative	Normal	Weeds
		Kohmard	Kohmard	Maturity	Normal	Not Existed
	Ghazni	Muqor	Muqor	Maturity	Normal	Poor Rainfall
	Day Kundi	Nili	Nili	Maturity	Normal	Not Existed
		Khideer	Khideer	Grain Filling	Normal	Not Existed
East	Nangarhar	Agam	Agam	Harvesting		
		Batikot	Ghaziabad			
		Jalalabad	Farm Jaded			

Data Source: Agromet Network

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Harvested		
		Asad Abad	Asad Abad			
		Chawkay	Chawkay			
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
		Alengar	Alengar			
	Noristan	Paroon	Paroon	Vegetative	Normal	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Harvested		
		Waigal	Waigal			
		Wama	Wama	Flowering	Normal	Not Existed
North East	Takhar	Taluqan	Taluqan	Grain Filling	Normal	Not Existed
		Rostaq	Rostaq	Maturity	Normal	Weeds
	Kunduz	Chardara	Chardara	Harvesting		
		Qaliazal	Aqtipa			
		Khan Abad	Khan Abad			
		Kunduz	Kunduz			
		Archi	Archi			
		Ali Abad	Ali Abad			
	Baghlan	Pulikhomri	Pozaishan			
		Dushi	Dushi			
	Badakhshan	Argo	Argo	Maturity	Normal	Not Existed
		Baharak	Baharak	Grain Filling	Normal	Not Existed
		Ashkashm	Ashkashm	Flowering	Normal	Not Existed
		Faiz Abad	Faiz Abad	Maturity	Normal	Weeds
South East	Khost	Khost	Khost	Harvesting		
		Khost	Shimal			
		Ali Sher	Ali Sher			
	Paktia	Zormat	Rohani Baba	Maturity	Normal	Not Existed
		Gardiz	Tera	Grain Filling	Good	Not Existed
	Paktika	Urgon	Urgon	Maturity	Normal	Not Existed
		Sharana	Sharana	Grain Filling	Normal	Not Existed
		Khair kot	Khair Kot	Grain Filling	Normal	Not Existed

Data Source: Agromet Network

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Harvesting		
	Kandahar	Kandahar	Kandahar			
		Kohkaran	Kohkaran			
	Urozgan	Tirin Kot	Tirin Kot			
	Hilmand	Nad Ali	Nad Ali			
		Greshk	Greshk			
		Nawa	Nawa			
		Lashkargah	Bolan			
North	Balkh	Takhta pol	Dihdadi			
		Mazar shareef	Mazare shareef			
		Nahrishahi	Nahrishahi			
		Dawlat Abad	Dawlat Abad			
	Jawzjan	Sheberghan	Sheberghan			
		Aqcha	Aqcha			
		Darzab	Darzab	Maturity	Normal	Not Existed
	Saripul	Sozmaqala	Sozmaqala	Grain Filling	Normal	Not Existed
		Sancharak	Sancharak	Harvesting		
		Saripul	Saripul			
	Faryab	Andkhoy	Andkhoy			
		Garzeewan	Garzeewan	Maturity	Normal	Not Existed
	Samangan	Dara Souf	Dara Souf	Maturity	Normal	Not Existed
		Sar bagh	Sarbagh	Flowering	Normal	Not Existed
North West	Badghis	Maqur	Maqur	Maturity	Normal	Not Existed
		Qalainow	Qalainow	Harvesting		
	Ghor	Chaghcharan	Chaghcharan	Grain Filling	Normal	Not Existed
		Dawlat yar	Dawlat yar	Flowering	Normal	Pest and Disease
	Hirat	Shindand	Shindand	Harvesting		
		Zindajan	Zindajan			
		Gwazara	Falahat	Maturity	Normal	Not Existed
		Hirat	Farm Urdokhan	Harvesting		
	Farah	Farah	Farah			

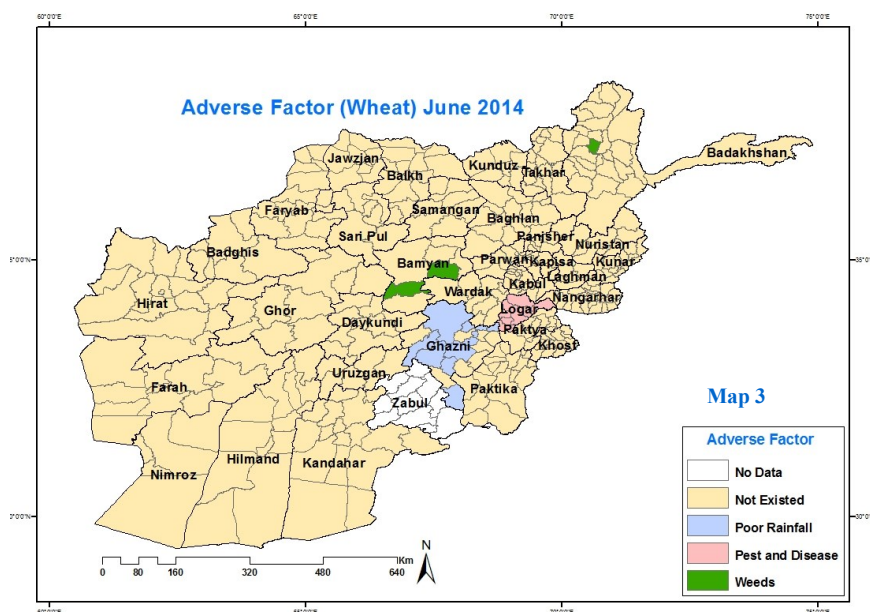
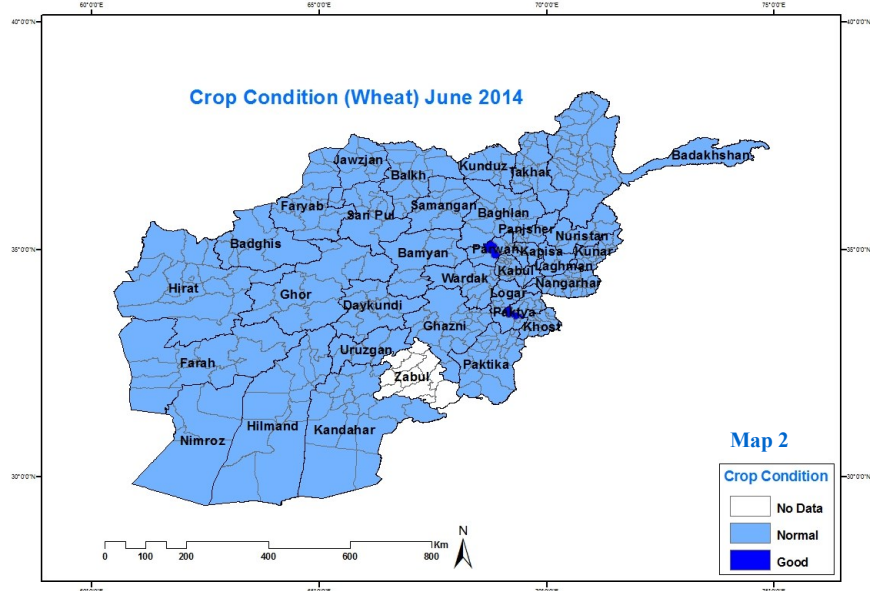
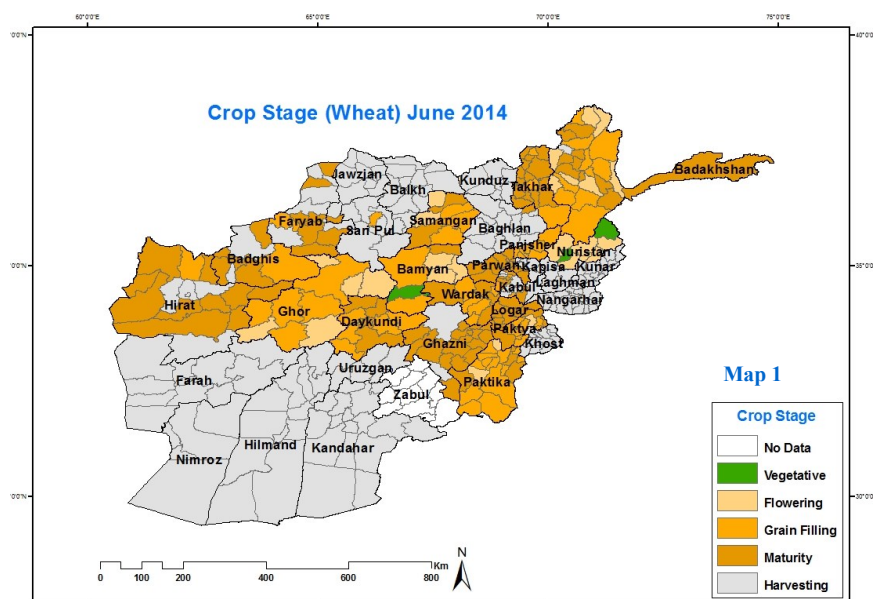
### Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize												
				Crop Stage	Crop Condition	Adverse Factor										
Central	Kabul	Surubi	Surubi	Ploughing												
	Panjsher	Dashtak	Dashtak													
	Parwan	Syagerd	Gorband													
	Kapisa	Kohistan	Kohistan													
	Logar	Pole Alam	Pole Alam													
	Bamyan	Kohmard	Kohmard													
East	Nangarhar	Agam	Agam	Planting												
		Batikot	Ghaziabad				Emergence	Normal	Not Existed							
	Kunar	Asmar	Asmar				Planting									
		Asad Abad	Asad Abad													
		Chawkay	Chawkay													
	Laghman	Qarghay	Qarghay							Planting						
		Alengar	Alengar													
	Noristan	Paroon	Paroon	Planting												
		Imam Sahib	Imam Sahib				Planting									
		Kunduz	Kunduz										Kunduz	Emergence	Normal	Not Existed
			Qaliazal										Aqtipa	Planting		
	Ali Abad		Ali Abad													
	Baghlan	Pulikhomri	Pozaishan													
	South East	Khost	Khost	Khost	Planting											
Khost			Shimal													
Ali Sher			Ali Sher													
Paktia		Zormat	Rohani Baba	Emergence				Normal	Not Existed							
		Gardiz	Tera	Emergence				Normal	Not Existed							
South	Kandahar	Kohkaran	Kohkaran	Planting												
	Urozgan	Tirin Kot	Tirin Kot													
	Hilmand	Nad Ali	Nad Ali	Emergence	Normal	Not Existed										
		Greshk	Greshk	Emergence	Normal	Not Existed										
		Nawa	Nawa	Emergence	Normal	Not Existed										
		Lashkargah	Bolan	Emergence	Normal	Not Existed										
North	Balkh	Takhta pol	Dihdadi	Pre Planting												
		Mazar shareef	Mazare shareef													
North West	Hirat	Shindand	Shindand				Planting									
	Farah	Farah	Farah													

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Ploughing		
	Bamyan	Kohmard	Kohmard	Planting		
East	Nangarhar	Agam	Agam	Emergence	Normal	Not Existed
		Batikot	Ghaziabad	Emergence	Normal	Not Existed
	Kunar	Asmar	Asmar	Planting		
		Asadabad	Asadabad			
		Chawkay	Chawkay			
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
	Takhar	Taluqan	Taluqan			
North East	Kunduz	Imam Sahib	Imam Sahib			
		Qaliazal	Aqtipa	Emergence	Normal	Not Existed
		Khan Abad	Khan Abad	Planting		
		Kunduz	Kunduz	Emergence	Normal	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Planting		
		Doshy	Doshy			
South East	Khost	Khost	Khost	Ploughing		
		Khost	Shimal			
		Ali Sher	Ali Sher	Planting		
	Paktia	Zormat	Rohani Baba	Emergence	Normal	Not Existed
South	Urozgan	Tirin Kot	Tirin Kot	Planting		

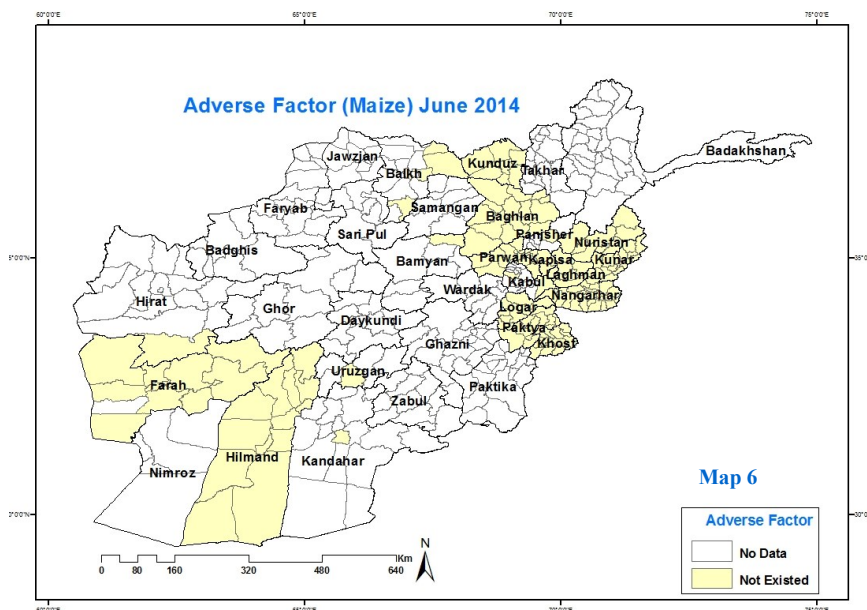
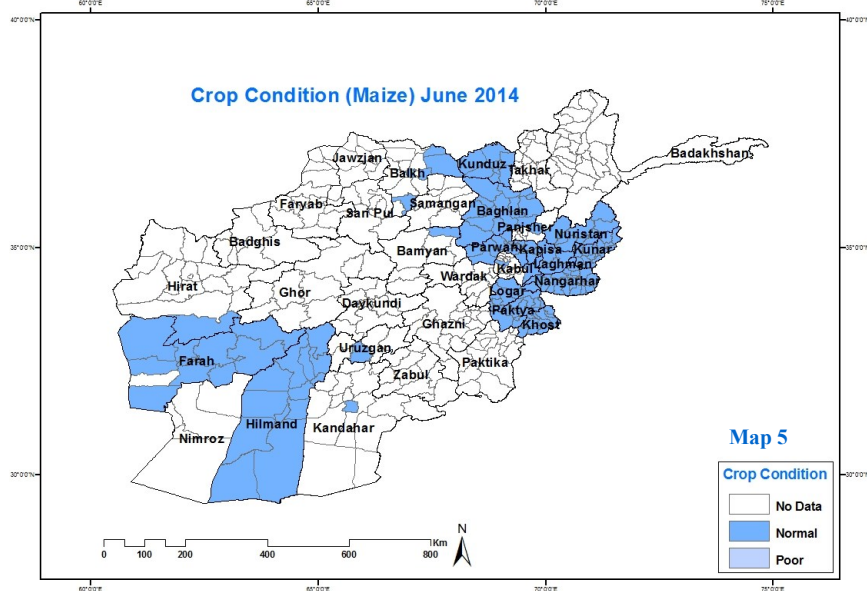
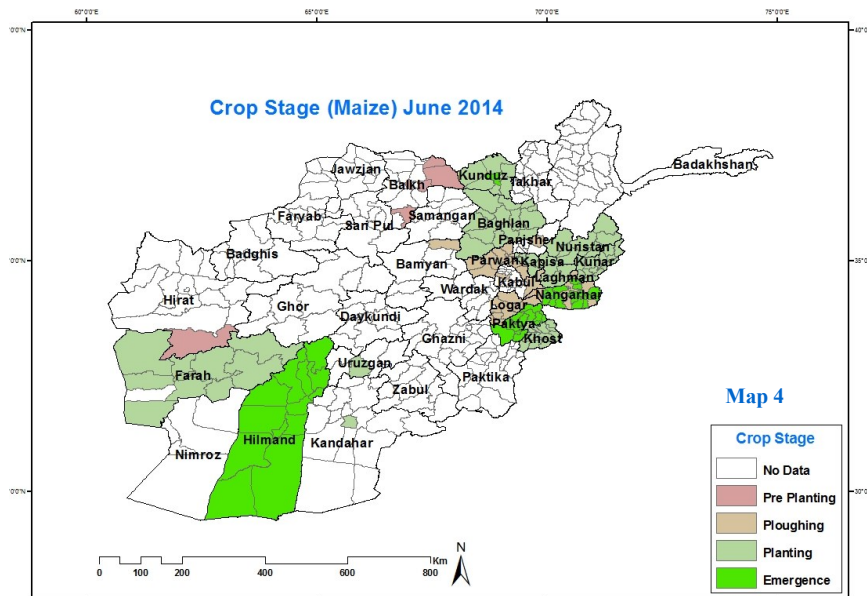
## Wheat Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

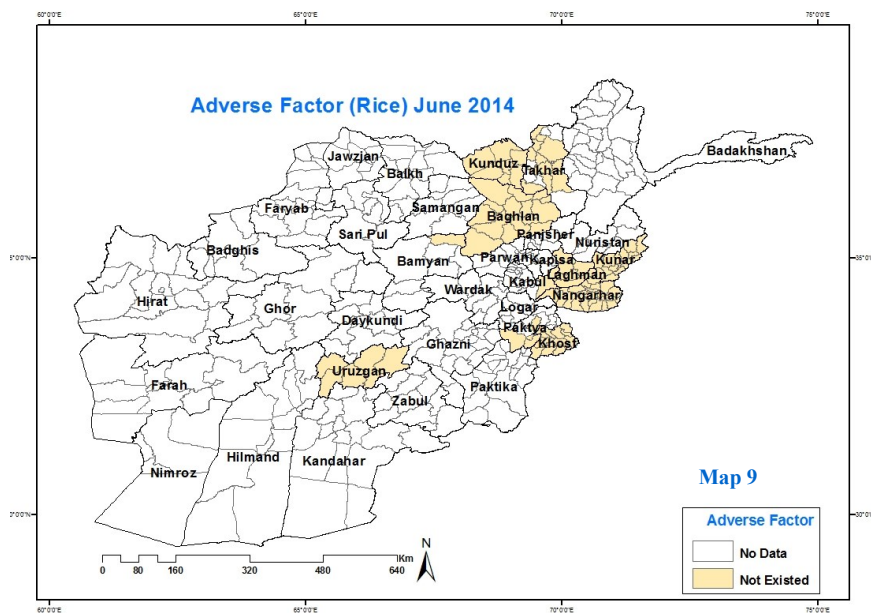
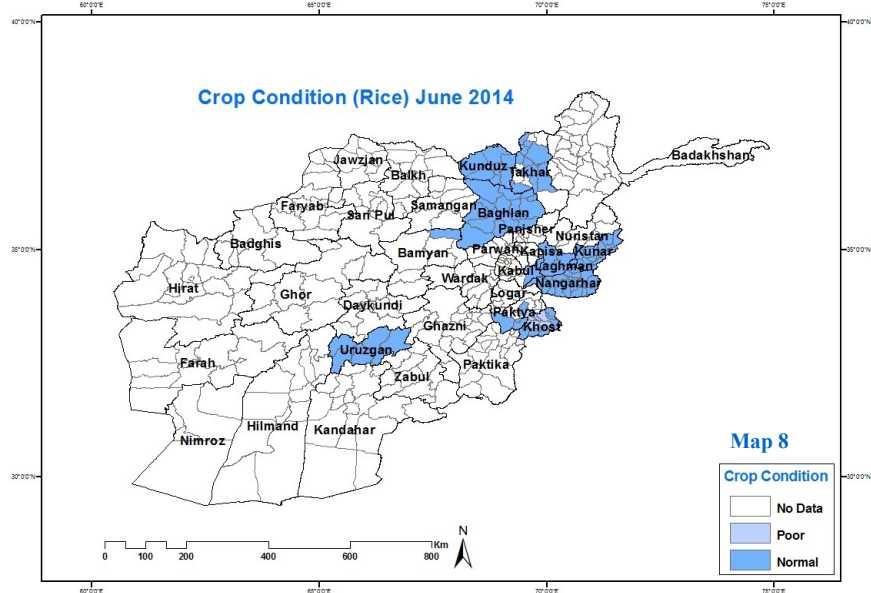
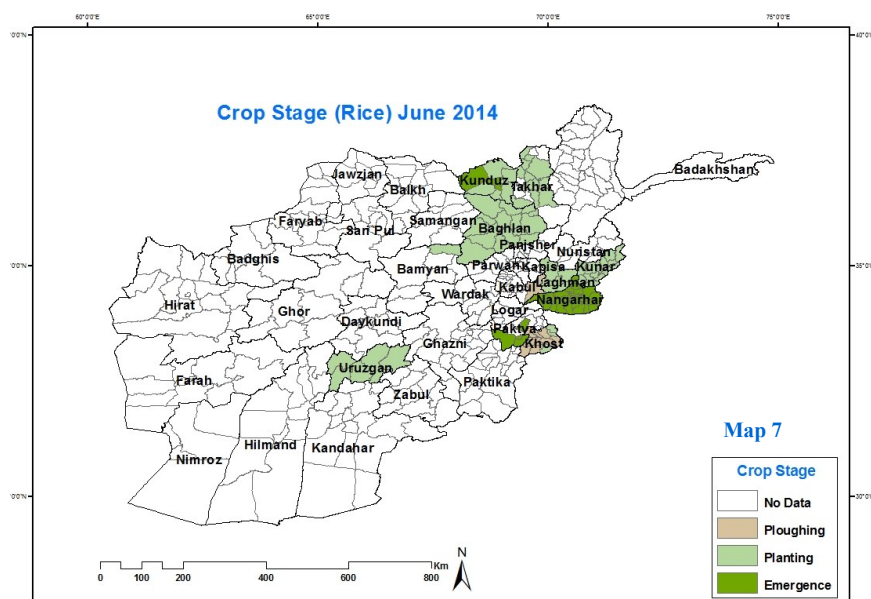


# Maize Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

## Rice Crop Stage, Condition and Adverse Factor Maps



Data Source: Agromet Network

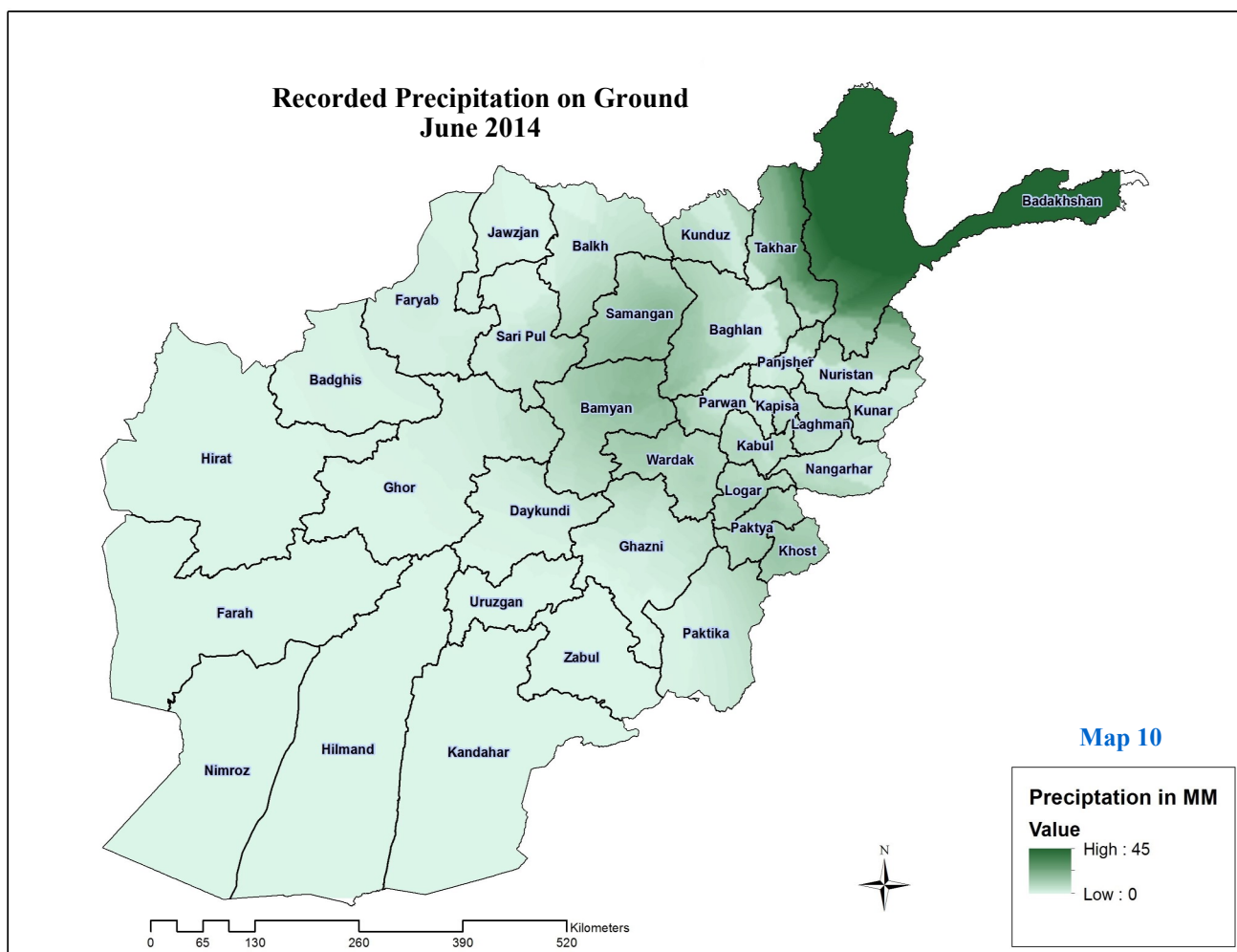
## Precipitation

Comparison of monthly rainfall data for the month of June 2014, in contrast to the same month of June 2013, shows significant decrease of rainfall in most areas of the country aside a few areas in North east of the country during the month of June 2014, compare to the same month of last year.

Comparison of monthly rainfall data for the month of June 2014, in contrast to the same month of Long Term Average shows significant decrease of rainfall in most areas of the country

aside a few areas in North east and Central of the country during the month of June 2014, compare to the same month of LTA.

Fairly rainfall occurred during the month of June 2014, as Map (10) Shows the distribution of rainfall during the month of June 2014, in the entire country as the highest rainfall has occurred in center of Badakhshan province which was 35 mm.



## Precipitation

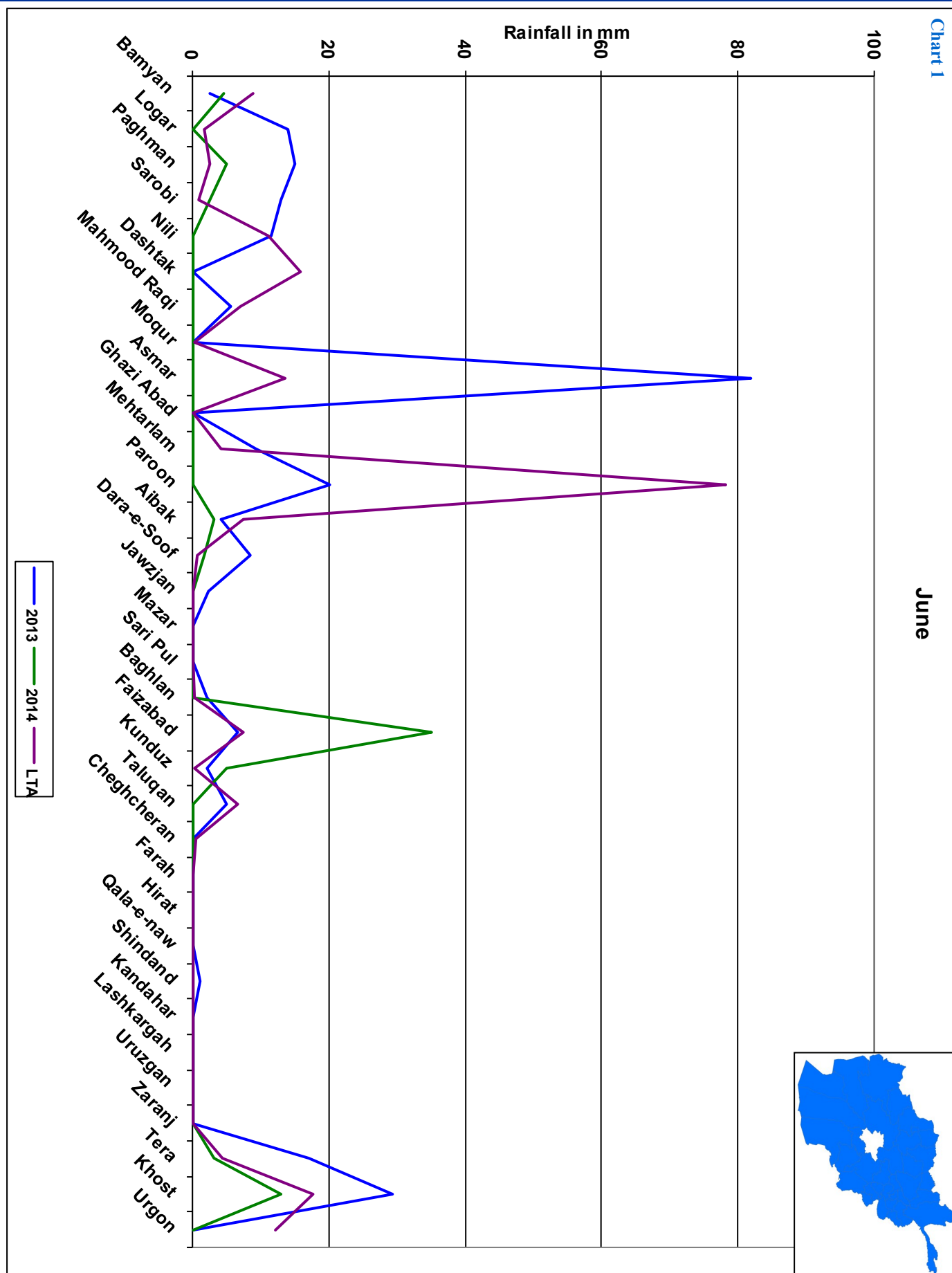
Fairly rainfall has occurred during the month of June 2014, as table 1 shows, during this month in central part to the country Bamyan has received 4.6 mm, Logar 0 mm, Paghman 5 mm, Sarobi 2.5 mm, Nili 0 mm, Dashtak 0 mm, Mahmood Razi 0 mm and Moqur 0 mm of precipitation. The highest precipitation has been recorded in Paghman district of Kabul province which is 5 mm. In Eastern region Asmar has received 0 mm, Ghazi Abad 0 mm, Mehtarlam 0 mm, and Paroon 0 mm. In Northern region Aibak has received 3 mm, Dara-e-Soof 1.6 mm, Jawzan 0 mm, Mazar 0 mm, and Sari Pul 0 mm, the highest precipitation in this region has been recorded in Aibak center of Samangan province which is 3 mm. In North Eastern region Baghlan has received 0 mm, Faizabad 35 mm, Taluqan 0 mm, and Kunduz 5 mm, the highest precipitation in

the North Eastern region has been recorded in Faizabad center of Badakhshan province which is 35 mm. In Southern region Kandahar has received 0 mm, Lashkargah 0 mm, Uruzgan 0 mm, and Zaranj 0 mm. In South Eastern region Tera has received 3 mm, Khost 13 mm, and Urgon 0 mm. In western region Cheghcheran has received 0 mm, Farah 0 mm, Hirat 0 mm, Qala-e-Naw 0 mm and Shindand 0. In conclusion we can say that, rainfall has two extremes the high extreme has occurred in Faizabad center of Badakhshan province which is 35 mm during the month of June 2014, and the lowest extreme has occurred in Dara-e-Soof district of Samangan province which is 3 mm during the month of June 2014. For more information regarding the precipitation for the month of June 2014 please, refer to the below table.

Station Name	June			Deviation	Comparison	Prediction Table 3
	2013	2014	LTA			
Bamyan	2.5	4.6	8.8	-4.2	Bellow Normal	Dryness
Nili	11.5	0	11.1	-11.1	Bellow Normal	Dryness
Dashtak	0	0	15.8	-15.8	Bellow Normal	Dryness
Logar	14	0	1.7	-1.7	Bellow Normal	Dryness
Paghman	15	5	2.4	2.6	Above Normal	No Dryness
Sarobi	13	2.5	0.9	1.6	Above Normal	No Dryness
Mahmood Razi	5.5	0	6.9	-6.9	Bellow Normal	Dryness
Rainfall in Paghman and Sarobi were increased in 2014 with respect to Long Term Average (LTA)						
Asmar	82	0	13.5	-13.5	Bellow Normal	Dryness
Ghazi Abad	0	0	0	0	No Change	No Change
Mehterlam	9.2	0	4	-4	Bellow Normal	Dryness
Paroon	20	0	78.3	-78.3	Bellow Normal	Dryness
Baghlan	2	0	0.3	-0.3	Bellow Normal	Dryness
Faizabad	6.5	35	7.3	27.7	Above Normal	No Dryness
Kunduz	2	5	0.2	4.8	Above Normal	No Dryness
Rainfall were decreased in 2014 with respect to Long Term Average (LTA) exclude Faizabad and Kunduz						
Taluqan	5	0	6.5	-6.5	Bellow Normal	Dryness
Aibak	4	3	7.3	-4.3	Bellow Normal	Dryness
Dara-e-soof	8.5	1.6	0.7	0.9	Above Normal	No Dryness
Jawzjan	2.2	0	0	0	No Change	No Change
Mazar	0	0	0	0	No Change	No Change
Sari pul	0	0	0	0	No Change	No Change
Kandahar	0	0	0	0	No Change	No Change
Lashkargah	0	0	0	0	No Change	No Change
Uruzgan	0	0	0	0	No Change	No Change
Rainfall were decreased in Taluqan and Aibak with respect to (LTA)						
Zaranj	0	0	0	0	No Change	No Change
Tera	17	3	4.3	-1.3	Bellow Normal	Dryness
Khost	29.2	13	17.7	-4.7	Bellow Normal	Dryness
Moqur	0	0	0.2	-0.2	Bellow Normal	Dryness
Urgon	0	0	12	-12	Bellow Normal	Dryness
Farah	0	0	0	0	No Change	No Change
Hirat	0	0	0	0	No Change	No Change
Qala-e-naw	0	0	0	0	No Change	No Change
Shindand	1	0	0	0	No Change	No Change
Rainfall in Tera, Khost, Moqur and Urgon were decreased in 2014 with respect to Long Term Average (LTA)						

Data Source: Agromet Network

## Rainfall Graphs for the Month of June 2014





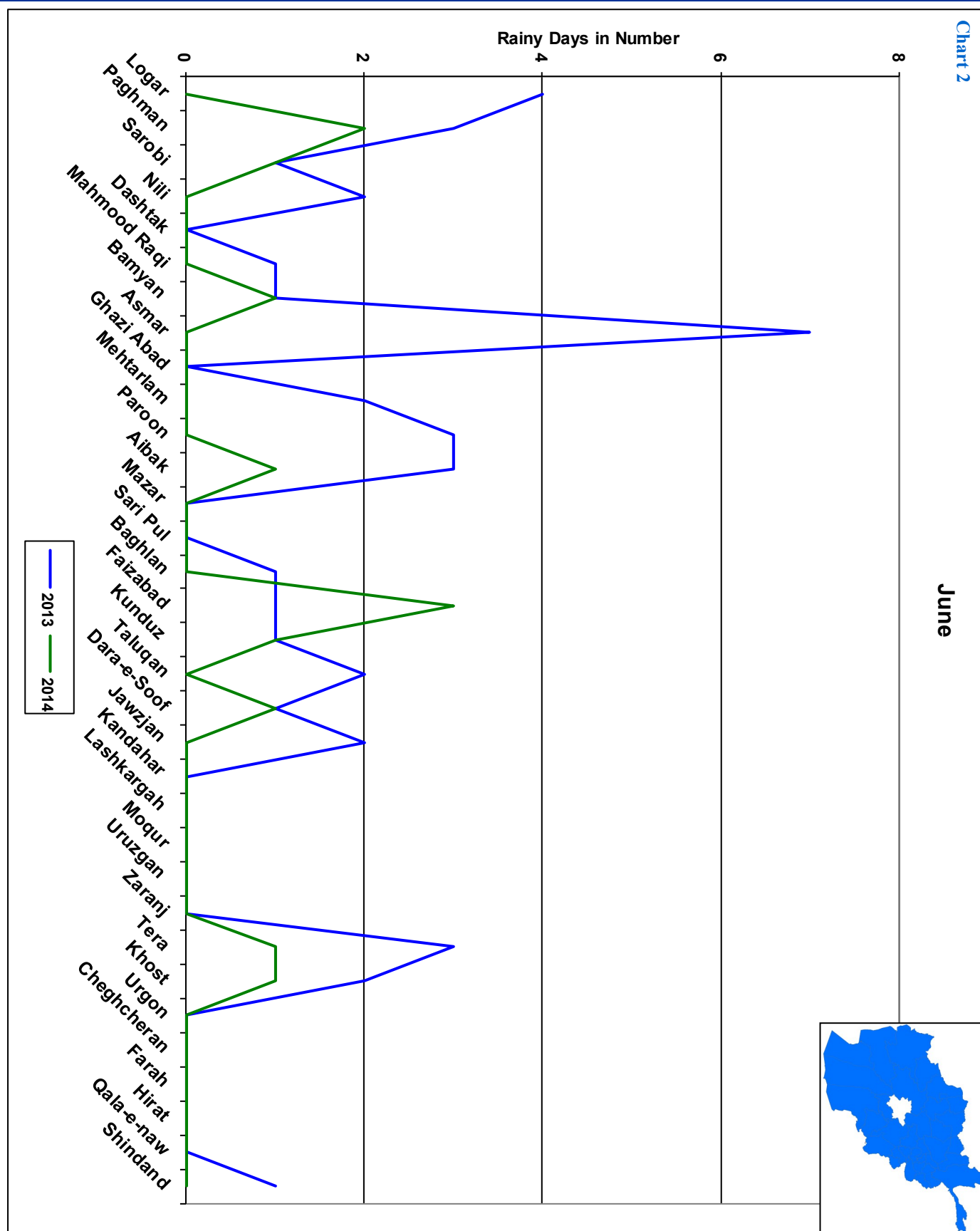
## Rainy Days

Based on the bellow table, the area of Faizabad having higher number of rainy days during the month of June 2014, compared to the same month in 2013. The areas such as, Logar, Paghman, Nili, Mahmood Raqi, Asmar, Mehtarlam, Paroon, Aibak, Baghlan, Taluqan, Jawzjan, Tera, Khost, and Shindand are the areas with the least number of rainy days in

June 2014, in comparison to the same month of 2013. The areas such as Sarobi, Dashtak, Bamyan, Ghazi Abad, Mazar, Sari Pul, Kunduz, Dara-e-Soof, Kandahar, Lashkargah, Moqur, Uruzgan, Zaranj, Urgon, Farah, Hirat, Qala-e-Now and Cheghcheran are the areas that had equal rainy days in comparison to the same month of last year.

No	Station Name	June		Table 2 Comparison Prediction with respect to (2013)
		Rainy Days		
		2013	2014	
1	Dashtak	0	0	No Change
2	Logar	4	0	Dryness
3	Paghman	3	2	Dryness
4	Sarobi	1	1	No Change
5	Bamyan	1	1	No Change
6	Mahmood Raqi	1	0	Dryness
7	Nili	2	0	Dryness
8	Ghaziabad	0	0	No Change
9	Asmar	7	0	Dryness
10	Mehterlam	2	0	Dryness
11	Paroon	3	0	Dryness
12	Aibak	3	1	Dryness
13	Mazar	0	0	No Change
14	Saripul	0	0	No Change
15	Baghlan	1	0	Dryness
16	Faizabad	1	3	No Dryness
17	Kunduz	1	1	No Change
18	Taluqan	2	0	Dryness
19	Dara-e-soof	1	1	No Change
20	Jawzjan	2	0	Dryness
21	Kandahar	0	0	No Change
22	Lashkargah	0	0	No Change
23	Moqur	0	0	No Change
24	Uruzgan	0	0	No Change
25	Zaranj	0	0	No Change
26	Tera	3	1	Dryness
27	Khost	2	1	Dryness
28	Urgon	0	0	No Change
30	Farah	0	0	No Change
31	Hirat	0	0	No Change
32	Qala-e-naw	0	0	No Change
33	Shindand	1	0	Dryness

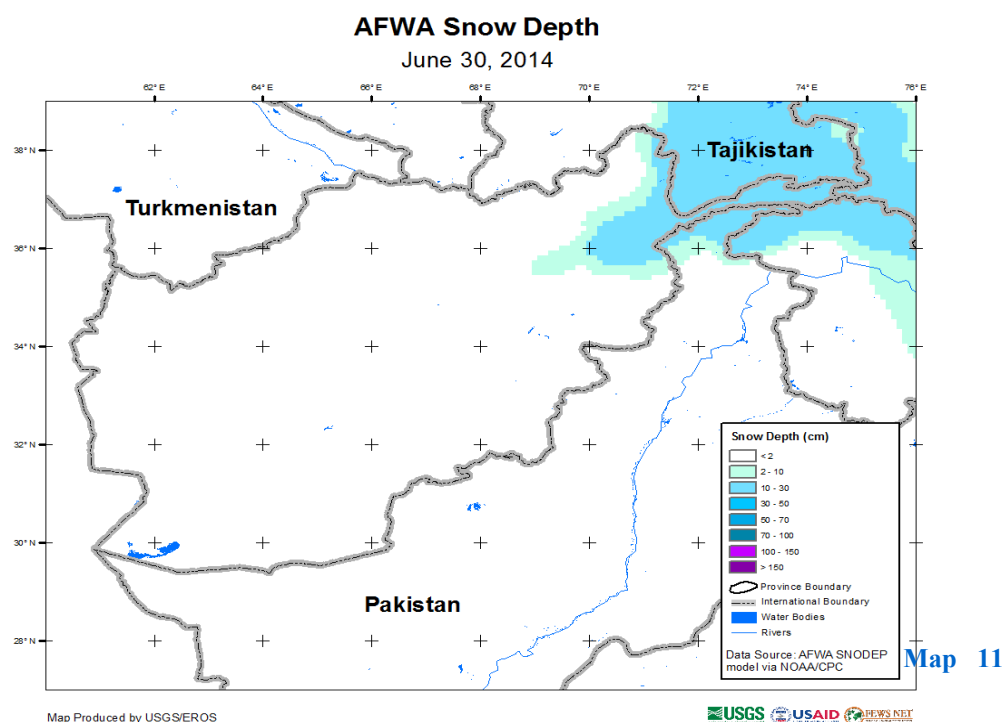
## Rainy Days for the Month of June 2014



Comparison of rainy days for the month of June 2014, with the same month of last year (Chart 2) shows significant decrease

Of rainy days during the month of June 2014 compared to the same on of last year aside from few area of North East.

## Afghanistan Snow Depth for month of June 2014



Map (11) shows snow depth for the end of June 2014. As map (11) shows the snow depth has been recorded from 10 to 20 cm

in some parts of the North East, and 2 – 10 cm in a few parts of Central Highlands and North.

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Data Source: USGS